

CIC #: 99EPA SUPERFUND

Billed Date: 01-Apr-2011

Customer Order Number DW96957731

DIAMOND HEAD OU1 329881 BZ801
EPA 640VOUCHER FOR TRANSFERS
BETWEEN APPROPRIATIONS AND/OR FUNDS (AR 37- 1)

Mission Assignment No:

D.O. Voucher No.BU. Voucher No.Bill No.

27052822

Paid By Check No.

Partial # 17 01-Mar-2011 Thru 01-Apr-2011

Collection Vou. No.

Billed Office (Mail To):

U S ENVIRONMENTAL PROTECTION AGENCY
ACCOUNTING OPERATIONS OFFICE
26 W MARTIN LUTHER KING DRIVE
CINCINNATI OH 45268-7002

Billing Office (Send Remittance To):

USACE FINANCE CENTER G5
KANSAS CITY DISTRICT G5
5720 INTEGRITY DRIVE

MILLINGTON TN 38054-5005

Billed Accounting Classification

68 NA X 8145.0000 2010 00 0000 012731 0000 00000

Billing Accounting Classification

\$5,963.69 96 NA X 3122.0000 G5 08 2416 868 012731 96231

\$5,963.69

Line Item	Moa	Description	Eaid No	Amount
1	INHOUSE - OTHER RESOURCES	SUPERFUND M&S		\$602.86
1	INHOUSE - LABOR	DEPARTMENTAL OVERHEAD COSTS		\$1,629.47
1	INHOUSE - LABOR	GENERAL AND ADMINISTRATIVE OVERHEAD COSTS		\$472.54
1	INHOUSE - LABOR	LABOR		\$3,258.82
Subtotal:				\$5,963.69

CORPS CERTIFICATION

"I CERTIFY THAT THE ABOVE ARTICLES WERE DELIVERED AND OR THE SERVICES PERFORMED AS STATED AND THAT THE PAYMENT REQUESTED IS CORRECT TO THE BEST OF MY KNOWLEDGE. AND SHOULD BE PAID AND CHARGED TO THE APPROPRIATION(S) OR FUNDS AS INDICATED."

2011 Jun 11 Elizabeth A. Bucknicker
DATE SIGNATURE
Elizabeth A. Bucknicker
Project Manager

Total Billed Amount:	\$5,963.69
Less Partial Amount Paid:	\$0.00
Payment Due Date: 01- May- 2011	Pay This Amount: \$5,963.69

Funds Authorized:	\$174,000.00
Total Billed Amount:	\$93,958.37
Prev Billed Amount:	\$87,994.68
Current Billed Amount	\$5,963.69
Total Flux Billed:	\$0.00
Prev Flux Billed:	\$0.00
Current Flux Billed:	\$0.00

CERTIFICATE OF OFFICE BILLED

I certify that the above articles were received and accepted or the services performed as stated and should be charged to the appropriation(s) and/or fund(s) as indicated above, or that the advance payment requested is approved and should be paid as indicated.

Date:

Authorized Administrative or Certifying Officer

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731

MONTHLY REPORT FOR MARCH 2011

	Revised Reimbursable (96X3122)	Direct Fund Cite	IA Totals (96X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$174,000.00	\$1,046,000.00	\$1,220,000.00
Less Total Expenditures: (-)	\$93,958.37	\$285,448.86	\$379,407.23
Less Undelivered Orders: (-)	\$3,910.00	\$760,551.14	\$764,461.14
Less Commitments: (-)	\$30,617.16	\$0.00	\$30,617.16
Funds Available Balance:	\$45,514.47	\$0.00	\$45,514.47

BILLING ACTIVITY (96X3122):	
Bill Number: 27052822	
Funds Expended During Report Period:	\$5,963.69
Total Billed to Date:	\$93,958.37
DIRECT FUND CITE PAYMENTS:	
Funds Expended During Report Period:	\$37,700.94
Total Expended to Date:	\$285,448.86

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

IA Number: DW96957731

Bill Number: 27052822

Bill Invoice Date: 01-APR-2011

Monthly Billing Amount(96X3122): \$5,963.69

Monthly Direct Fund Cite Contract Cost(68X8145): \$37,700.94

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$2,102.45	\$29,484.64	\$31,587.09
b Fringe Benefits	\$1,156.37	\$15,614.87	\$16,771.24
c Travel	\$0.00	\$9,654.16	\$9,654.16
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$0.00	\$0.00	\$0.00
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$602.86	\$4,635.50	\$5,238.36
i Total Direct Charges	\$3,861.68	\$59,389.17	\$63,250.85
j Total Indirect Charges	\$2,102.01	\$28,605.51	\$30,707.52
k TOTAL	\$5,963.69	\$87,994.68	\$93,958.37

LABOR BREAKOUT FOR MONTH:

Individual	Location	Function	Hours	Labor Amount
SHELLY M ALLEN	KANSAS CITY DISTRICT	PROGRAM ANALYST	7.00	\$667.00
ELIZABETH BUCKRUCKER	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	12.50	\$1,582.77
GREGORY NE HATTAN	KANSAS CITY DISTRICT	GEOLOGIST	23.75	\$2,129.81

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND HEAD OIL REFINERY, NJ

LABOR BREAKOUT FOR MONTH:

<u>Individual</u>	<u>Location</u>	<u>Function</u>	<u>Hours</u>	<u>Labor Amount</u>
JENNIFER L KOLARIK	KANSAS CITY DISTRICT	PROJECT MANAGEMENT SPECIAL	2.00	\$97.98
IAN R BOWEN	KANSAS CITY DISTRICT	GEOLOGIST	10.75	\$623.31
ROBERT M PENDER, JR	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	2.00	\$259.96
TOTAL LABOR:			58.00	\$5,360.83

Progress Report for EPA Region II

Site:	Diamond Head Oil Refinery, NJ Remedial Design Operable Unit 1			Phase:	Remedial Design – OU1
Bill No.:	27052822; Partial #17	IAG No.:	DW96957731/BZ801 IAG Award Date: 12/02/09	IAG Expiration Date:	Other Corps P2: 329881/FWI: G0C947
Reporting Period:	From: March 1, 2011	To: April 1, 2011	EPA RPM Griseli Diaz-Cotto	USACE PM Elizabeth Buckrucker	

Work Performed	
<i>This Period</i>	<ul style="list-style-type: none"> Task Order 0004 Invoices. On 14 Mar 11, reviewed and approved Invoice 11, totaling \$37,700.94, for period 1 – 28 Jan 11. Funding. Future requirements require additional discussion and decisions regarding both bench scale testing and OU2 sampling impacts before needs are identified. No short term funding needs. On 9 Mar 11, briefed project status at the Line Item Review held in KC with Corps and EPA management teams. Pre-Design Investigation (PDI). <ul style="list-style-type: none"> On 3 Mar 11, provided backbrief to team on current activities and loaded several files/references on the team project directory. On 4 Mar 11, the preliminary dioxin results were received for the medium and low bench scale soils. On 10 Mar 11, the Phospholipid Fatty Acid (PLFA) sample results were submitted. Performed review of the results and drafted questions to G. Hattan. On 11 Mar 11, met internally with G. Hattan to review the PLFA and bench scale soil sampling results. Prepared list of questions regarding the interpretation of the results. Primary concerns/questions include: <ul style="list-style-type: none"> How do we meet RAOs using O2 consumption as a metric without significant reduction in VOCs? Is it possible to have O2 consumption within an anaerobic environment? On 15 Mar 11, discussed the above questions and PLFA results with J. Hess. Continued internal discussions regarding the PLFA analysis in preparation for team conference call. On 16 Mar 11, received a technical memorandum with summary of PLFA results and interpretation. On 17 Mar 11, conference call held with EPA, Corps and CH2 team personnel. Key notes and decisions from this call include: <ul style="list-style-type: none"> We are unable to determine if Microblaze organisms survived. T. Palaia noted it would take 9-12 months operating the biocell in order to have any VOC decrease. Viable biomass does not equate to hydrocarbon degradation. The Phase 1 columns will continue and VOC analysis will be put on hold until further notice, but EPA plans to operate the columns until a definitive outcome can be determined. At this time, EPA plans to perform Phase 2 Bench Scale. Additional analysis was recommended to characterize these soils. The team decided that a meeting in EPA offices will be held on 6 Apr 11. On 17 Mar 11, discussed options with G. Diaz-Cotto for examining the bench scale results. Decided that a short memorandum with charge questions should be prepared by the Corps to allow for EPA to seek and outside expert to review the results and provide opinion. On 18 Mar 11, as follow up to conference call, CH2 submitted additional characterization analysis proposed for the medium and low bench scale soils. Reviewed these with G. Hattan and concur with the proposal. Forwarded recommendation to EPA. On 21 Mar 11, held internal working session with G. Hattan and I. Bowen to prepare the memorandum with charge questions for possible technical expert review. The draft was circulated internally for review and a final draft version was completed. On 22 Mar 11, the final draft version of memorandum with charge questions was submitted to G. Diaz-Cotto. From 23-25 Mar 11, at EPA request, contacted Corps personnel regarding possible contact who could provide an independent review of the bench scale results and respond to the charge questions. Compiled list of potential contacts and have for future use if needed. At the present time, a review by Corps personnel is not being pursued. From 23-29 Mar 11, coordinated with internal team for 6 Apr 11 agenda items and advance review of

Progress Report for EPA Region II

	<p>key materials.</p> <ul style="list-style-type: none"> ○ On 25 Mar 11, met with G. Hattan and drafted a full set of discussion topics for April meeting. Forwarded this agenda list to EPA and CH2. ○ On 29 Mar 11, held preparation meeting with I. Bowen. ○ On 31 Mar 11, received the Status Report 2 Bench Scale Technical Memorandum. Review underway. ○ On 31 Mar 11, had discussion with G. Diaz-Cotto to discuss the April meeting and items on the agenda that the Corps suggests are critical to address. EPA has recently briefed their Division Director, informing the management that dioxin was found on the site which results in changing strategy. Overall, EPA management concurs with the work underway. <ul style="list-style-type: none"> • Schedule. The current project schedule is dated 30 Nov 10. Further updates are pending decisions on some of the changes to project tasks. • Contract Task Order 0004. No contract actions during the reporting period. • Preparation of Progress Report and Project Expenditures spreadsheet.
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<i>Key Meetings This Period</i>	<ul style="list-style-type: none"> • Conference calls held are noted in progress portions of this report.
<i>Key Contract Milestones Completed to Date</i>	<ul style="list-style-type: none"> • 2 Dec 2009; New IA funding received totaling \$300,000 • 10 Feb 2010; Base Task Order 0002 awarded, totaling \$255,000. • 6 Apr 2010, IA Amendment #1 funding received totaling \$170,000; for total IA value of \$470,000. • 13 Aug 2010, Task Order 0002, Modification 1 was awarded for \$141,000. • 29 Sep 2010; IA Amendment #2 funding received totaling \$750,000; for total IA value of \$1,220,000. • 2 Nov 2010; Task Order 0002; Modification 2 was awarded for \$650,000

<i>Contractor Actions/ Accomplishments</i>	<ul style="list-style-type: none"> • Management tasks included communication and invoicing. • Participated in conference call to discuss the PLFA results and prepared memorandum to present the results of the analysis. • Received sample results from medium and low soils for characterization analysis. Collected samples from Phase 2 bench scale soils for characterization. • Continue to implement the bench scale test and weekly sampling. • Details of the CH2 work during this period are contained in the CH2M Hill Progress Report Number 13 for March 2011.
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Progress Report for EPA Region II

Projected Work, Meetings Milestones through next FY.	
<i>Narrative</i>	<ul style="list-style-type: none"> Work planned for FY11 and completed actions to date includes: <ul style="list-style-type: none"> Pre-Design Investigation LNAPL Sampling (occurred 27 Sep 10 – 1 Oct 10) Phase 1 Bench Scale Study (began 12 November 2010) <ul style="list-style-type: none"> PLFA Analysis (results received in March 2011 on Phase 1 bench scale) Phase 1 Bench Scale report/Phase 2 Bench Scale determination (meeting planned for April 2011) Pre-Design Field Investigation (on hold)
<i>Meetings</i>	<ul style="list-style-type: none"> TBD; no specific meetings set
<i>Key Milestones Forthcoming</i>	<ul style="list-style-type: none"> 5 May 2010 –Final Data Needs Technical Memorandum submitted (complete) 31 Aug 2010 –Final Pre-Design Investigation Work Plan submitted (complete) The below dates are interim milestones and future estimates will be made as the schedule continues to evolve with changes in the planned approach for both Phase 1 and 2 bench scale test. 24 January 2011: Received Phase 1 bench scale (month 1) results 23 February 2011: Received final dioxin results from bench scale soils (collected under OU2). 31 March 2011: Received Status Report 2 Bench Scale Technical Memorandum. 6 April 2011: Meeting scheduled to discuss Phase 1 Results/Phase 2 discussion and decision

Issues	
<i>Technical:</i>	<ul style="list-style-type: none"> Phase 1 Bench Scale technical issues which are currently being discussed among the team: <ul style="list-style-type: none"> High Soil pH CO2 production minimal VOC levels not decreasing
<i>Schedule:</i>	<ul style="list-style-type: none"> The current schedule is dated 30 November 2010 and does not reflect the current status. The update will occur when more Phase 1 information is available to make future decisions on bench scale tests and other analysis occurring.
<i>Funding:</i>	<ul style="list-style-type: none"> No immediate funding needs. Future funding requirements will be determined as the bench scale progresses and the timing of future tasks are more clearly determined. Do not anticipate additional funding needed in FY11.

IAG Summary						
Amendment Funding				Cumulative Funding		
USACE	Direct Fund Cite	Amend #	Date	USACE	Direct Fund Cite	Total IAG
\$45,000	\$255,000	Initial	12/2/09	-	-	\$300,000
\$29,000	\$141,000	1	4/6/10	\$74,000	\$396,000	\$470,000
\$100,000	\$650,000	2	9/29/10	\$174,000	\$1,046,000	\$1,220,000

Progress Report for EPA Region II

Expenditures: USACE and Direct Fund Cite				
Summary of Funds Spent Per Activity & Funding Remaining				
Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Not Disbursed
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004 - awarded 10 Feb 10	\$255,000.00	\$37,700.94	\$285,448.86	-\$30,448.86
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 1 - awarded 13 Aug 10	\$141,000.00	\$0.00	\$0.00	\$141,000.00
Contract - CH2M Hill W912DQ-08-D-0016; Task Order 0004/Mod 2 - awarded 2 Nov 10	\$650,000.00	\$0.00	\$0.00	\$650,000.00
Subtotal - Summary of DFC Contract Dollars	\$1,046,000.00	\$37,700.94	\$285,448.86	\$760,551.14
Kansas City Corps In-House Labor/Travel	\$156,900.00	\$5,360.83	\$88,720.01	\$68,179.99
Superfund M&S Fee	\$17,100.00	\$602.86	\$5,238.36	\$11,861.64
Subtotal - Labor/M&S	\$174,000.00	\$5,963.69	\$93,958.37	\$80,041.68
Grand Total - Contract/Corps	\$1,220,000.00	\$43,664.63	\$379,407.23	\$840,592.77

IAG Project Description (block 12 of IA)

Base IA: USACE Kansas City District (DOD964126) to perform Remedial Design activities for Operable Unit 1 at the Diamond Head Oil Superfund Site (EPA Site D#NJD092226000).

Project Delivery Team

Name	Contact Information	Responsibility
Beth Buckrucker	(816) 389-3581 Cell: (816) 695-5797	Project Manager
Greg Hattan	(816) 389-3579	Project Geologist
Dave Evans	(816) 389-3857	Project Chemist
Jason L'Ecuier	(816) 389-3908	Project Process Engineer
Bonnie Lowe	(816) 389-3803	Contract Specialist
Trudy Shannon	(816) 389-3822	Contracting Officer
Scott Young	(816) 389-3589	Contracting Officer Representative

Prepared by:
Elizabeth Buckrucker
Project Manager
13 June 2011